

Q1 (Cont'd) performed, the choice of a suitable reference direction being essentially optional. According to U.S. Patent No. 6,195,615, however, it is not specified how the device should be made externally or which particular boundary conditions in its operation must be observed to carry out the process in the best possible and most efficient manner.

In the Claims:

1. (Amended) Device for measuring and assessing the mutual alignment of bodies, with at least one optical gyro enclosed within a housing, wherein the housing has means for manually transporting the housing and for holding the housing in place on a body whose state of alignment is to be determined, and wherein the device has means for receiving and processing voice commands of an operator and switching the device into an altered machine status based on the voice commands.

2. (Amended) Device for measuring and assessing the mutual alignment of bodies, with at least one optical gyro enclosed within a housing, wherein the housing has means for manually transporting the housing and for holding the housing in place on a body whose state of alignment is to be determined, and wherein the device has speech output means for acoustically providing determined measurement results.

3. (Amended) Device for measuring and assessing the mutual alignment of bodies, with at least one optical gyro enclosed within a housing, wherein the housing has means for manually transporting the housing and for holding the housing in place on a body whose state of alignment is to be determined, and wherein the device has an ergonomically attached individual key for actuation by the thumb or forefinger which, when actuated by an operator, causes storage of an individual measured value out of a time-sequential succession of measured values.

4. (Amended) Device for measuring and assessing the mutual alignment of bodies, with at least one optical gyro enclosed within a housing, wherein the housing has means for manually transporting the housing and for holding the housing in place on a body whose state of alignment is to be determined, and wherein the device has a high-resolution display device

Part 1 Part 2
Q2 (cont'd)
for reproduction of alphanumeric or graphic information, using which an operator can recognize whether and in what manner correction measures can be carried out on the articles to be measured.

5. (Amended) Device for measuring and assessing the mutual alignment of bodies, with at least one optical gyro enclosed within a housing, wherein the housing has means for manually transporting the housing and for holding the housing in place on a body whose state of alignment is to be determined, and wherein the device is provided with transmission means for wirelessly receiving or exchanging at least one of data, commands and other information with an externally arranged control or a higher-level supervisory computer,

Part 1 Part 2
Q3
12. (Amended) Process for measuring and assessing the mutual alignment of bodies, comprising the following steps:

- manually holding a measurement probe having an optical gyro enclosed within a housing that has means for manually transporting the housing and for holding the housing in place against a first body which has a reference surface or edge;
- inputting a command by an operator to the measurement probe by speech input;
- waiting, if necessary, for one of an optical, acoustic and speech-linked acknowledgement signal;
- manually holding the measurement probe against a second body which has a measurement surface or a measurement edge,
- inputting of another command to the measurement probe by speech input,
- waiting, if necessary, for one of an optical, acoustic, and speech-linked acknowledgement signal;
- inputting, if necessary, of dimension data which describe an arrangement or distances of the bodies relative to one another, by means of at least one of a keyboard, a speech input means and a display which facilitates ordered or structured input of dimension data;
- computing geometrical data which describe the mutual orientation of the bodies in a differential manner;
- outputting of information which has differences of orientation between the first and the second body, on one of an optical, acoustic, and speech-linked basis, to an operator; and